

## EAST Search History

### EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	46	trocar same (ring seal) same air same tight	USPAT	OR	OFF	2008/07/05 14:54
S2	10	(("4177814") or ("4815461") or ("5129885") or ("5281238") or ("5263944") or ("5993471") or ("5522831") or ("5601581") or ("5643298") or ("5658298")).PN.	USPAT	OR	OFF	2008/07/05 14:55
S3	1	((JEREMY) near2 (CANNON)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/13 08:34
S4	2	((PEDRO) near2 (NIDO)). INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/13 08:43
S5	1090	(604/96.01).CCLS.	USPAT	OR	OFF	2008/08/13 09:02
S7	1660	(604/264).CCLS.	USPAT	OR	OFF	2008/08/13 09:02
S8	1826	(606/194).CCLS.	USPAT	OR	OFF	2008/08/13 09:02
S9	225	(606/190).CCLS.	USPAT	OR	OFF	2008/08/13 09:02
S11	206	(606/184).CCLS.	USPAT	OR	OFF	2008/08/13 09:03
S12	563	(606/185).CCLS.	USPAT	OR	OFF	2008/08/13 09:03
S13	788	(606/191).CCLS.	USPAT	OR	OFF	2008/08/13 09:03
S14	1043	(606/167).CCLS.	USPAT	OR	OFF	2008/08/13 09:03
S15	432	(604/164.01).OCLS.	USPAT	OR	OFF	2008/08/13 09:07
S17	37	(604/164.03).OCLS.	USPAT	OR	OFF	2008/08/13 09:07
S18	70	(604/164.04).OCLS.	USPAT	OR	OFF	2008/08/13 09:07

S19	97	(604/164.05).OCLS.	USPAT	OR	OFF	2008/08/13 09:08
S20	76	(604/164.06).OCLS.	USPAT	OR	OFF	2008/08/13 09:08
S21	53	(604/164.07).CCLS.	USPAT	OR	OFF	2008/08/13 09:08
S22	186	(604/164.08).CCLS.	USPAT	OR	OFF	2008/08/13 09:08
S23	74	(604/164.09).CCLS.	USPAT	OR	OFF	2008/08/13 09:08
S24	123	(604/164.12).CCLS.	USPAT	OR	OFF	2008/08/13 09:09
S25	126	(604/167.01).CCLS.	USPAT	OR	OFF	2008/08/13 09:10
S26	122	(604/167.02).CCLS.	USPAT	OR	OFF	2008/08/13 09:10
S27	168	(604/167.03).CCLS.	USPAT	OR	OFF	2008/08/13 09:10
S28	118	(604/167.04).CCLS.	USPAT	OR	OFF	2008/08/13 09:10
S29	29	(604/167.05).CCLS.	USPAT	OR	OFF	2008/08/13 09:10
S30	72	(604/167.06).OCLS.	USPAT	OR	OFF	2008/08/13 09:10
S31	48	(604/170.02).OCLS.	USPAT	OR	OFF	2008/08/13 09:11
S33	1	("5788676").PN.	USPAT	OR	OFF	2008/08/13 10:20
S34	58	("1986484"   "3565078"   "3585996"   "3620500"   "3994287"   "4177814"   "4180068"   "4240411"   "4243034"   "4475548"   "4535773"   "4654030"   "4673393"   "4705511"   "4842591"   "4874378"   "4895346"   "4899729"   "4917668"   "4929235"   "4966587"   "4978341"   "4994027"   "5108380"   "5127626"   "5141498"   "5158553"   "5161773"   "5167636"   "5176651"   "5176659"   "5180373"   "5188607"   "5197955"   "5201714"   "5207656"   "5226879"   "5269763"   "5282790"   "5300035"   "5308336"   "5324270"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/13 10:22

		"5350364"   "5360417"   "5382553"   "5389080"   "5391153"   "5391154"   "5429609"   "5441486"   "5460616"   "5476475"   "5496280").PN. OR ("5788676").URPN.				
S35	92	("1845727"   "3081770"   "4073297"   "4098275"). PN. OR ("4180068").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/13 10:34
S37	19	trocar and agitator	USPAT	OR	OFF	2008/08/13 11:03
S38	24	("4060086"   "4068667"   "4279245"   "4512343"   "4867174"   "4905691"). PN. OR ("5169397").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/13 14:31
S39	54	(604/164.02).CCLS.	USPAT	OR	OFF	2008/08/13 14:34
S40	47	("3817389"   "3854907"   "4144040"   "4246558"   "4309992"   "4459139"   "4535773"   "4610683"   "4735603"   "4743243"   "4834108"   "4935006"   "5066288"   "5098375"   "5098407"   "5199944"   "5246419"   "5290237"   "5290246"   "5300084"   "5334163"   "5336170"   "5360396"   "5411474"   "5417655"   "5499970"   "5514087"   "5540587"   "5578000"   "5582165"   "5688256"   "5709675"   "5716343"   "5722962"   "5779662"   "5902264"   "5941852"   "5947932"   "5980492"   "6001077"   "6051015"   "6110259"   "6206878"   "6221050"). PN. OR ("6685665").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/13 14:55
S41	392	(604/506).CCLS.	USPAT	OR	OFF	2008/08/13 15:39
S42	942	trocar same lumen\$1	USPAT	OR	OFF	2008/08/13 15:40
S43	262	trocar and vibrat\$3	USPAT	OR	OFF	2008/08/13 15:41
S44	290	trocar same (clear transparent sheer (translucent)	USPAT	OR	OFF	2008/08/13 15:42

S45	982	trocar same port\$1	USPAT	OR	OFF	2008/08/13 15:42
S46	154	trocar same ultrasonic	USPAT	OR	OFF	2008/08/13 15:42
S47	172	trocar same vacuum	USPAT	OR	OFF	2008/08/13 15:42
S48	58	S41 and trocar	USPAT	OR	OFF	2008/08/13 15:44
S49	45	("2646042"   "2976865"   "3982533"   "4254762"   "4331138"   "4404924"   "4535773"   "4623335"   "4710172"   "4801293"   "4943280"   "4944724"   "5053016"   "5122122"   "5127909"   "5152744"   "5207647").PN. OR ("5352206").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/13 15:55
S50	563	(606/185).CCLS.	USPAT	OR	OFF	2008/08/13 16:13
S51	83	S50 and trocar same lumen \$1	USPAT	OR	OFF	2008/08/13 16:13
S55	34	trocar same vibrat\$3	USPAT	OR	OFF	2008/08/13 16:42
S56	59	("4870953"   "4897079"   "4931047"   "4979952"   "5011471"   "5026387"   "5112300"   "5123903"   "5160317"   "5180363"   "5190517").PN. OR ("5449370").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/13 16:47
S57	73	S44 not clear	USPAT	OR	OFF	2008/08/13 17:24
S58	1	("5256149").PN.	USPAT	OR	OFF	2008/08/13 17:31
S59	233	trocar same lumen\$1 same port\$1	USPAT	OR	OFF	2008/08/13 17:36
S60	44	trocar same (seal\$1 diaphragm\$1 slit\$1) same air same tight	USPAT	OR	OFF	2008/08/13 17:53

S61	32	("1380447"   "4490136"   "4535773"   "4601710"   "4917668"   "5009643"   "5030206"   "5092857"   "5104382"   "5104383"   "5116353"   "5127626"   "5129858"   "5147316"   "5152754"   "5158552"   "5176651"   "5197955"   "5209737"   "5215526"   "5217441"   "5217451"   "5304193"   "5306282"   "5312354"   "5314417").PN. OR ("5522831").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/13 17:58
S62	44	(trocar or trochar) same (seal\$1 diaphragm\$1 slit \$1) same air same tight	USPAT	OR	OFF	2008/08/13 18:12
S63	84	trocar same (seal\$1 diaphragm\$1) same slit\$1	USPAT	OR	OFF	2008/08/14 09:12
S64	2	(("5141498") or ("4424833")).PN.	USPAT	OR	OFF	2008/08/14 10:22
S66	50	trocar same (seal\$1 diaphragm\$1) same slit\$1 same distal	USPAT	OR	OFF	2008/08/14 13:14
S67	73	("2822819"   "2944580"   "3047013"   "3113586"   "3517622"   "3853127"   "3861416"   "3994287"   "4222126"   "4291420"   "4364127"   "4430081"   "4524805"   "4607663"   "4673393"   "4723550"   "4813938"   "4842591"   "4857062"   "4909798"   "4960412"   "4966588"   "5000745"   "5009391"   "5053014"   "5104383"   "5180373"   "5197955"   "5209737"   "5242412"   "5269763"   "5304143"   "5330437"   "5334164"   "5342315"   "5350364"   "5407433").PN. OR ("5752938").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/14 13:56

S68	112	("20020013552"   "3421509"   "3565078"   "3744062"   "3818515"   "3853127"   "3907310"   "3994287"   "4000739"   "4112932"   "4173350"   "4177814"   "4177997"   "4240335"   "4240411"   "4311315"   "4334688"   "4338689"   "4386756"   "4387879"   "4430081"   "4440207"   "4447237"   "4464178"   "4473094"   "4553760"   "4588195"   "4601710"   "4626245"   "4641842"   "4654030"   "4655752"   "4673393"   "4705511"   "4715360"   "4723550"   "4758225"   "4842591"   "4844483"   "4844484"   "4857062"   "4869717"   "4874377"   "4874378"   "4889349"   "4909798"   "4917668"   "4929235"   "4932633"   "4943280"   "4960412"   "4966588"   "4998740"   "5000745"   "5002557"   "5015000"   "5038756"   "5041095"   "5053014"   "5053016"   "5064416"   "5073169"   "5104383"   "5127626"   "5137520"   "5147336"   "5167636"   "5180373"   "5197955"   "5201714"   "5209736"   "5209737"   "5221264"   "5226891"   "5242412"   "5290304"   "5299813"   "5300033"   "5300036"   "5308336"   "5342315"   "5350364"   "5385553"   "5395342"   "5407433"   "5411483"   "5463010"   "5496280"   "5545142"   "5603702"   "5613954"   "5628732"   "5634908"   "5645538"   "5709664"   "5752938"   "5807338"   "5827228"   "5865807"   "5868714"   "5931197"   "6027501"   "6079692"   "6174308"   "6210405"   "6228061"   "6258065"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/14 13:59
-----	-----	--	------------------------	----	-----	---------------------

		"6354602"   "6702787"   "6860869"   "RE36702").PN. OR ("7244244").URPN.				
S69	231	trocar same (seal\$1 diaphragm\$1) same tip	USPAT	OR	OFF	2008/08/14 14:06
S70	7	trocar same (seal\$1 diaphragm\$1) near tip	USPAT	OR	OFF	2008/08/14 14:06
S71	1	("5913847").PN.	USPAT	OR	OFF	2008/08/14 14:54
S72	304	cannula same (seal\$1 diaphragm\$1) same slit\$1	USPAT	OR	OFF	2008/08/14 16:51
S73	3251	cannula same (seal\$1 diaphragm\$1)	USPAT	OR	OFF	2008/08/14 16:51
S74	150	cannula same (seal\$1 diaphragm\$1) same distal same trocar	USPAT	OR	OFF	2008/08/14 16:52
S75	44	cannula same shaft same (seal\$1 diaphragm\$1) same distal same trocar	USPAT	OR	OFF	2008/08/14 17:06
S76	73	cannula same shaft same (seal\$1near o-ring)	USPAT	OR	OFF	2008/08/14 17:17
S78	10	trocar same (seal\$3 near o-ring)	USPAT	OR	OFF	2008/08/14 17:41
S79	1175	trocar same (seal\$3 o-ring)	USPAT	OR	OFF	2008/08/14 17:44
S82	154	trocar same shaft same (seal\$1 o-ring)	USPAT	OR	OFF	2008/08/14 17:47
S83	796	trocar same (o-ring\$1 seal \$1 diaphragm\$1) same (sleeve sheath tub\$4 cannul\$2)	USPAT	OR	OFF	2008/08/15 08:13
S84	1	("5993471").PN.	USPAT	OR	OFF	2008/08/15 14:07
S86	17	("4655752"   "5209736"   "5211633"   "5211634"   "5300035"   "5350364"   "5354280"   "5385552"   "5391153"   "5391154").PN. OR ("5993471").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/18 09:23

S87	32	("1380447"   "4490136"   "4535773"   "4601710"   "4917668"   "5009643"   "5030206"   "5092857"   "5104382"   "5104383"   "5116353"   "5127626"   "5129858"   "5147316"   "5152754"   "5158552"   "5176651"   "5197955"   "5209737"   "5215526"   "5217441"   "5217451"   "5304193"   "5306282"   "5312354"   "5314417").PN. OR ("5522831").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/18 09:24
S88	248	("3097646"   "3313299"   "3454006"   "3853127"   "3994287"   "4000739"   "4079738").PN. OR ("4177814").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/18 09:24
S89	1	("1380447").PN.	USOCR	OR	OFF	2008/08/18 09:43
S90	502	trocar same (seal\$1 diaphragm\$1 valve\$1) same distal	USPAT	OR	OFF	2008/08/18 09:47
S91	327	trocar same valve\$1 same distal	USPAT	OR	OFF	2008/08/18 09:50
S92	43	("0067545"   "3653388"   "3856021"   "3893454"   "4204541"   "4578061"   "4585437"   "4869717"   "5002557"   "5009643"   "5139485"   "5183465"   "5248298"   "5261888"   "5279567").PN. OR ("5407427").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/18 10:40
S93	1	trocar same rotary same valve\$1 same distal	USPAT	OR	OFF	2008/08/18 10:57
S94	36	("20020120226"   "20020128603"   "20020128608"   "20020161387"   "20030040711"   "20030045034"   "20030045834"   "4184510"   "4535773"   "4735603"   "4792335"   "4869717"   "5013294"   "5190068"   "5203767"   "5284473"   "5300047"   "5312351"   "5328458"   "5545150"   "5800381"	US-PGPUB; USPAT; USOCR	OR	OFF	2008/08/18 11:34

		"5813294"   "5849005"   "5916198"   "6042573"   "6162196"   "6217555"   "6228058"   "6253766"   "6299592"   "6482181"   "6497687"   "6508859"   "6544210"   "6905489"   "6942671").PN. OR ("7182752").URPN.				
S95	1	("5215526").PN.	USPAT	OR	OFF	2008/09/02 13:09
S97	5	(("5449370") or ("5458633") or ("6423075") or ("5290304") or ("5538509")).PN.	USPAT	OR	OFF	2008/09/02 13:52
S98	25	trocar same irrigation and (o-ring)	USPAT	OR	OFF	2008/09/02 18:04
S100	141	trocar same irrigation	USPAT	OR	OFF	2008/09/02 18:13
S101	1	("5458633").PN.	USPAT	OR	OFF	2008/09/02 18:13
S102	17	(("1114268"   "3835842"   "3850162"   "3850175"   "3900022"   "4146019"   "4270535"   "4281646"   "4402310"   "4596552"   "5013296"   "5167220"   "5207213"   "5219335"   "5225001").PN. OR ("5458633").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/02 18:13
S103	1	10/580144	US-PGPUB; USPAT	OR	OFF	2009/06/19 19:03
S104	71	(US-4815461-\$ or US- 5993471-\$ or US-5522831- \$ or US-5601581-\$ or US- 5658298-\$ or US-3685509- \$ or US-4622968-\$ or US- 5788676-\$ or US-4180068- \$ or US-4895346-\$ or US- 5108380-\$ or US-5197955- \$ or US-4931042-\$ or US- 5169397-\$ or US-6478775- \$ or US-6685665-\$ or US- 5722962-\$ or US-5902264- \$ or US-5334150-\$ or US- 5352206-\$ or US-5843039- \$ or US-5665102-\$ or US- 7163525-\$ or US-5449370- \$ or US-5879364-\$ or US- 6206844-\$).did. or (US-	USPAT	OR	OFF	2009/06/19 19:07

		5968060-\$ or US-6053906-\$ or US-6497714-\$ or US-5728130-\$ or US-5472447-\$ or US-5873828-\$ or US-3831814-\$ or US-6017356-\$ or US-5256149-\$ or US-6228059-\$ or US-5662615-\$ or US-5514087-\$ or US-5000745-\$ or US-5330437-\$ or US-5746720-\$ or US-5752938-\$ or US-5772678-\$ or US-5913847-\$ or US-7384423-\$ or US-7048751-\$ or US-7011314-\$ or US-6726663-\$ or US-4524805-\$ or US-5407433-\$ or US-6423075-\$ or US-3703899-\$ or US-4226239-\$).did. or (US-4479798-\$ or US-4531935-\$ or US-5176647-\$ or US-5330498-\$ or US-5333773-\$ or US-5335663-\$ or US-5366446-\$ or US-4686965-\$ or US-5407427-\$ or US-6056766-\$ or US-5554151-\$ or US-5454791-\$ or US-5458633-\$ or US-5215526-\$ or US-5290304-\$ or US-5538509-\$ or US-5707351-\$ or US-5279551-\$).did.				
S105	18	("1283189"   "3804095"   "3865113"   "3982541"   "4178920"   "4212105"   "4249533"   "4313431"   "4459986"   "4492230"   "4608980"   "4638800"   "4646734"   "4648892").PN. OR ("4815461").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/19 19:08
S107	17	("1114268"   "3835842"   "3850162"   "3850175"   "3900022"   "4146019"   "4270535"   "4281646"   "4402310"   "4596552"   "5013296"   "5167220"   "5207213"   "5219335"   "5225001").PN. OR ("5458633").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/19 19:19
S108	349	trocar same lumen same (saline inert fluid irrigat\$3 cleansing)	US-PGPUB; USPAT	OR	OFF	2009/06/19 19:21

S109	28	("0256950"   "3190290"   "4027659"   "4469483"   "4559046"   "4842583"   "5009636").PN. OR ("5279551").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/19 19:26
S110	92	("1845727"   "3081770"   "4073297"   "4098275").PN. OR ("4180068").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/19 19:42
S111	32	("4596563"   "4636346"   "4688554"   "4799495"   "4846812"   "4865593"   "4869718"   "4878894"   "4926860"   "4934340"   "5088991"   "5125902").PN. OR ("5527276").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/19 19:53
S115	6	(("5176638") or ("5713869") or ("6733479") or ("5891084") or ("20070060915") or ("20070073248")).PN.	US-PGPUB; USPAT	OR	OFF	2010/04/29 09:16
S116	306	604/264.ccls. and (inlet outlet) and (valve\$1 diaphragm\$1 seal\$4)	US-PGPUB; USPAT	OR	OFF	2010/04/29 09:22
S117	47	604/264.ccls. and (inlet outlet) and (valve\$1 diaphragm\$1 seal\$4) and trocar	US-PGPUB; USPAT	OR	OFF	2010/04/29 09:23
S118	225	604/264.ccls. and (inlet outlet) and (valve\$1 diaphragm\$1 seal\$4) same (fluid flow saline)	US-PGPUB; USPAT	OR	OFF	2010/04/29 09:24
S119	57	(US-20030216771-\$ or US-20060025749-\$).did. or (US-4815461-\$ or US-5458633-\$ or US-5843039-\$ or US-4180068-\$ or US-6695815-\$ or US-3703899-\$ or US-3831814-\$ or US-4226239-\$ or US-4479798-\$ or US-4524805-\$ or US-4531935-\$ or US-4895346-\$ or US-5000745-\$ or US-5169397-\$ or US-5176647-\$ or US-5215526-\$ or US-5256149-\$ or US-5279551-\$ or US-5290304-\$ or US-5330437-\$ or US-5333773-\$ or US-5334150-\$ or US-5335663-\$ or US-5352206-\$ or US-5366446-\$ or US-	US-PGPUB; USPAT	OR	OFF	2010/04/29 09:27

		5407427-\$).did. or (US-5449370-\$ or US-5454791-\$ or US-5472447-\$ or US-5538509-\$ or US-5554151-\$ or US-5658298-\$ or US-5707351-\$ or US-5722962-\$ or US-5728130-\$ or US-5746720-\$ or US-5752938-\$ or US-5788676-\$ or US-5873828-\$ or US-5879364-\$ or US-5902264-\$ or US-5968060-\$ or US-6017356-\$ or US-6053906-\$ or US-6056766-\$ or US-6206844-\$ or US-6228059-\$ or US-6423075-\$ or US-6497714-\$ or US-6685665-\$ or US-6726663-\$ or US-7011314-\$ or US-7048751-\$).did. or (US-7163525-\$ or US-7384423-\$).did.				
S120	428	606/167-185.ccls. and (inlet outlet) and (valve\$1 diaphragm\$1 seal\$4) same (fluid flow saline)	US-PGPUB; USPAT	OR	OFF	2010/04/29 10:40
S121	121	("3568318"   "3618611"   "3674024"   "3678934"   "3732858"   "3844272"   "3882872"   "3912168"   "3945375"   "3960466"   "3990453"   "3993054"   "3995619"   "3996935"   "4011869"   "4014342"   "4138205"   "4167944"   "4179249"   "4203444"   "4210146"   "4239464"   "4246902"   "4274414"   "4276023"   "4368734"   "4512344"   "4516571"   "4548553"   "4552516"   "4559040"   "4598710"   "4599055"   "4601290"   "4603694"   "4646736"   "4646738"   "4649919"   "4678459"   "4705038"   "4735558"   "4735605"   "4767289"   "4811734"   "4815462"   "4819635"   "4820265"   "4824339"   "4834729"   "4842578"   "4904168"   "4909713"   "4923441"   "4967940"   "4982739"   "4983179"   "4986825"   "4998527"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 11:17

		"5007917"   "5010876"   "5017059"   "5041082"   "5047032"   "5061238"   "5074841"   "5106364"   "5133729"   "5135481"   "5152744"   "5160318"   "5192292"   "5217479"   "5230614"   "5256041"   "5269798"   "5286253"   "5320635"   "5322505"   "5324301"   "5366468"   "5395317"   "5399160"   "5403277"   "5411514"   "5417694"   "5433588"   "5437630"   "5439464"   "5456722"   "5484402"   "5489291"   "5529580"   "5540708"   "5601583"   "Re33258"   "Re34556"). PN. OR ("5792167").URPN.				
S123	383	604/264.ccls. and (outflow inflow port\$1 inlet outlet) same (gas fluid flow (saline) and (trocar cannula obturator stylet)	US-PGPUB; USPAT	OR	OFF	2010/04/29 11:27
S124	1	("5458633").PN.	US-PGPUB; USPAT	OR	OFF	2010/04/29 14:18
S125	17	("1114268"   "3835842"   "3850162"   "3850175"   "3900022"   "4146019"   "4270535"   "4281646"   "4402310"   "4596552"   "5013296"   "5167220"   "5207213"   "5219335"   "5225001").PN. OR ("5458633").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 14:18
S126	87	("1184970"   "2038393"   "2494088"   "3720203"). PN. OR ("3835842").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 14:19
S127	18	("3720203"   "4548197"   "4669463"   "4690672"   "4919113"   "5013296"   "5025778"   "5167220"   "5219335"   "5339800"   "5372582"   "5386817"   "5458633"   "5487376"   "5489256"   "5575756"   "5766217").PN. OR ("6017333").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 14:33
S128	27	("5025776"   "5198894"). PN. OR ("5339800").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 14:35

S129	73	("3043309"   "4646772"   "4737142"   "4869238"   "4878485"   "4984563"   "4991564"   "5125143"   "5154164"   "5167220"   "5188094"   "5188596"   "5251613").PN. OR ("5489256").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 14:40
S130	102	("20020022762"   "20020072652"   "20040059363"   "20050043683"   "20050059981"   "20050065405"   "20050119528"   "20050154355"   "20050159765"   "20050171467"   "20050234301"   "20050261553"   "20060020165"   "20060041186"   "20070203474"   "20070299310"   "20080081948"   "20080086704"   "20080108871"   "20080200765"   "20080208128"   "20080319266"   "4207874"   "4279246"   "4281646"   "4497550"   "4537209"   "4552130"   "4617013"   "4633855"   "4741326"   "4760838"   "4773413"   "4877016"   "4941872"   "4991565"   "5009655"   "5027791"   "5050585"   "5133336"   "5147292"   "5163927"   "5167220"   "5201908"   "5207213"   "5225001"   "5279549"   "5312400"   "5313934"   "5336170"   "5339800"   "5364407"   "5392766"   "5400767"   "5448990"   "5464008"   "5468240"   "5514084"   "5518502"   "5563737"   "5575756"   "5605532"   "5630795"   "5637075"   "5647840"   "5746695"   "5788628"   "5868663"   "5869107"   "5894369"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 14:42

		"5954637"   "5989183"   "6017333"   "6040053"   "6071606"   "6110103"   "6126592"   "6156409"   "6176825"   "6234635"   "6282442"   "6299592"   "6306932"   "6354992"   "6409657"   "6425535"   "6447446"   "6695772"   "6699185"   "6712479"   "6712757"   "6755782"   "6780516"   "6783845"   "6857436"   "6889400"   "6921362"   "6921380"   "6977053"   "7074180"   "7341556"   "D573711"). PN. OR ("D613403"). URPN.				
S131	15	("2076741"   "3835842"   "3850175"   "5031603"   "5095889"   "5151101"). PN. OR ("5392765"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 15:25
S134	37	604/19.ccls. and (aspirat \$3 irrigat\$3) same (trocar cannula obturator stylet)	US-PGPUB; USPAT	OR	OFF	2010/04/29 15:46
S135	128	604/264.ccls. and (aspirat \$3 irrigat\$3) same (trocar cannula obturator stylet)	US-PGPUB; USPAT	OR	OFF	2010/04/29 15:46
S136	142	(604/321).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/04/29 15:46
S137	235	(604/323).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/04/29 15:48
S138	52	(604/258).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/04/29 15:48
S139	87	(604/259).CCLS.	US-PGPUB; USPAT	OR	OFF	2010/04/29 15:49
S140	573	aspirat\$3 same irrigat\$3 same (trocar cannula obturator stylet)	US-PGPUB; USPAT	OR	OFF	2010/04/29 15:50
S141	26	("4531934"   "4587972"   "4605003"   "4729373"   "4932954"   "5071422"   "5123902").PN. OR ("5224942").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/29 16:44
S142	58	("3982541"   "4207874"   "4418688"   "4469098"   "4559942"   "4619643"   "4694828"   "4744360"   "4846172"   "5123902"). PN. OR ("5246436").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/30 09:38

S143	547	604/264.ccls. and (outflow inflow port\$1 inlet outlet) and (trocar cannula obturator stylet)	US-PGPUB; USPAT	OR	OFF	2010/04/30 16:55
S145	21	604/264.ccls. and (trocar cannula obturator stylet) same (irrigat\$3 suction aspirat\$3 infus\$3) same (saline gase)	US-PGPUB; USPAT	OR	OFF	2010/04/30 17:00
S148	506	(trocar cannula obturator stylet) same (irrigat\$3) and (vacuum suction aspirat\$3) same (saline gas)	US-PGPUB; USPAT	OR	OFF	2010/04/30 17:07
S149	51	("3920014"   "4180074"   "4231366"   "4299221"   "4526573"   "4705500"   "4715435"   "4755168"   "4769001"   "4820265"   "4856972"   "4886431"   "4935005").PN. OR ("5098387").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/30 17:13
S150	16	("3459183"   "4763667"   "4869717"   "4978334"   "5106376"   "5139487"   "5158543"   "5258003"   "5334150"   "5336176"   "5368574").PN. OR ("5743881").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/30 17:21
S151	230	("1527291"   "2630803"   "3840008"   "3982533"   "4096860"   "4424833"   "4535773"   "4769018"   "4808168").PN. OR ("4869717").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/30 17:24
S152	22	("3221762"   "3420257"   "3621867"   "3885590"   "3906982"   "3926208"   "3982533"   "4171004"   "4178940"   "4869717"   "4972868"   "5139478").PN. OR ("5514087").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/04/30 17:35
S154	1	("5792167").PN.	US-PGPUB; USPAT	OR	OFF	2010/05/05 13:32

S155	121	("3568318"   "3618611"   "3674024"   "3678934"   "3732858"   "3844272"   "3882872"   "3912168"   "3945375"   "3960466"   "3990453"   "3993054"   "3995619"   "3996935"   "4011869"   "4014342"   "4138205"   "4167944"   "4179249"   "4203444"   "4210146"   "4239464"   "4246902"   "4274414"   "4276023"   "4368734"   "4512344"   "4516571"   "4548553"   "4552516"   "4559040"   "4598710"   "4599055"   "4601290"   "4603694"   "4646736"   "4646738"   "4649919"   "4678459"   "4705038"   "4735558"   "4735605"   "4767289"   "4811734"   "4815462"   "4819635"   "4820265"   "4824339"   "4834729"   "4842578"   "4904168"   "4909713"   "4923441"   "4967940"   "4982739"   "4983179"   "4986825"   "4998527"   "5007917"   "5010876"   "5017059"   "5041082"   "5047032"   "5061238"   "5074841"   "5106364"   "5133729"   "5135481"   "5152744"   "5160318"   "5192292"   "5217479"   "5230614"   "5256041"   "5269798"   "5286253"   "5320635"   "5322505"   "5324301"   "5366468"   "5395317"   "5399160"   "5403277"   "5411514"   "5417694"   "5433588"   "5437630"   "5439464"   "5456722"   "5484402"   "5489291"   "5529580"   "5540708"   "5601583"   "Re33258"   "Re34556").PN. OR ("5792167").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/05 13:32
------	-----	--	------------------------	----	-----	---------------------

S156	122	("3568318"   "3618611"   "3623474"   "3674024"   "3678934"   "3701345"   "3732858"   "3844272"   "3882872"   "3912168"   "3937722"   "3945375"   "3960466"   "3990453"   "3993054"   "3995619"   "3996935"   "4011869"   "4014342"   "4084588"   "4138205"   "4167944"   "4179249"   "4203444"   "4210146"   "4239464"   "4246902"   "4267836"   "4274414"   "4276023"   "4368734"   "4512344"   "4516571"   "4517977"   "4548553"   "4552516"   "4559040"   "4576211"   "4598710"   "4599055"   "4601290"   "4603694"   "4646736"   "4646738"   "4649919"   "4678459"   "4705038"   "4735558"   "4735605"   "4747824"   "4767289"   "4811734"   "4815462"   "4819635"   "4820265"   "4824339"   "4834729"   "4842578"   "4904168"   "4909713"   "4923441"   "4967940"   "4982739"   "4983179"   "4986825"   "4998527"   "5007917"   "5010876"   "5017059"   "5041082"   "5047032"   "5061238"   "5074841"   "5106364"   "5133729"   "5135481"   "5152744"   "5160318"   "5192292"   "5195960"   "5217479"   "5219099"   "5230614"   "5256041"   "5269798"   "5285795"   "5286253"   "5295956"   "5320635"   "5322505"   "5324301"   "5366468"   "5395317"   "5399160"   "5403277"   "5411514"   "5417694"   "5433588"   "5437630"   "5439464"   "5456722"   "5484402"   "5489291"   "5529580"   "5540708"   "5601583"   "5611785"   "5665101"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/05/05 13:48
------	-----	--	------------------------	----	-----	---------------------

		"5685838"   "5779675"   "5792167"   "5928257"   "6007556"   "RE33258"   "RE34556").PN. OR ("6342061").URPN.				
S157	464	604/22.ccls. and irrigat\$3 same aspirat\$3	US-PGPUB; USPAT	OR	OFF	2010/05/05 13:51
S158	519	606/159-185.ccls. and irrigat\$3 same aspirat\$3	US-PGPUB; USPAT	OR	OFF	2010/05/05 13:53
S160	93	trocar same (seal\$3) near distal	US-PGPUB; USPAT	OR	OFF	2011/03/02 13:35
S161	25	trocar same (valve\$1) near distal	US-PGPUB; USPAT	OR	OFF	2011/03/02 13:38
S166	711	("606").clas. and (valve\$1 seal\$4) near distal	US-PGPUB	OR	OFF	2011/03/02 13:48
S167	760	("606").clas. and (valve\$1 seal\$4) near distal	USPAT	OR	OFF	2011/03/02 13:48
S169	654	("604").clas. and (valve\$1) near distal	US-PGPUB; USPAT	OR	OFF	2011/03/02 13:49
S170	672	("604").clas. and (seal\$4) near distal	US-PGPUB	OR	OFF	2011/03/02 13:49
S171	1019	("604").clas. and (seal\$4) near distal	USPAT	OR	OFF	2011/03/02 13:49
S172	81	(US-20040162531-\$ or US-20070219482-\$ or US-20040191897-\$ or US-20030144594-\$).did. or (US-3703899-\$ or US-3831814-\$ or US-4226239-\$ or US-4479798-\$ or US-4524805-\$ or US-4531935-\$ or US-4895346-\$ or US-5000745-\$ or US-5169397-\$ or US-5176647-\$ or US-5215526-\$ or US-5256149-\$ or US-5279551-\$ or US-5290304-\$ or US-5330437-\$ or US-5333773-\$ or US-5334150-\$ or US-5335663-\$ or US-5352206-\$ or US-5366446-\$ or US-5407427-\$ or US-5449370-\$ or US-5454791-\$ or US-5472447-\$ or US-5538509-\$ or US-5554151-\$).did. or (US-5658298-\$ or US-5707351-\$ or US-5722962-\$ or US-5728130-\$ or US-5746720-\$ or US-5752938-\$ or US-5788676-\$ or US-5873828-	US-PGPUB; USPAT	OR	OFF	2011/03/02 13:59

		\$ or US-5879364-\$ or US-5902264-\$ or US-5968060-\$ or US-6017356-\$ or US-6053906-\$ or US-6056766-\$ or US-6206844-\$ or US-6228059-\$ or US-6423075-\$ or US-6497714-\$ or US-6685665-\$ or US-6726663-\$ or US-7011314-\$ or US-7048751-\$ or US-7163525-\$ or US-7384423-\$ or US-6050986-\$ or US-6695815-\$ or US-6918890-\$).did. or (US-6228061-\$ or US-5968008-\$ or US-5792167-\$ or US-5972013-\$ or US-3835842-\$ or US-5807240-\$ or US-5392765-\$ or US-5224942-\$ or US-5246436-\$ or US-5779662-\$ or US-4815461-\$ or US-5458633-\$ or US-5843039-\$ or US-6283958-\$ or US-5098387-\$ or US-5123902-\$ or US-5285795-\$ or US-4869717-\$ or US-5779680-\$ or US-5514087-\$ or US-6129701-\$ or US-6506189-\$ or US-7572244-\$ or US-4678459-\$).did.				
S173	682	("606" "604").clas. and (valve\$1 seal\$4) near (distal near end) same (trocar tube tubular cannula catheter)	US-PGPUB	OR	OFF	2011/03/02 14:10
S174	1027	("606" "604").clas. and (valve\$1 seal\$4) near (distal near end) same (trocar tube tubular cannula catheter)	USPAT	OR	OFF	2011/03/02 14:10
S175	0	("606" "604").clas. and (plug) near (distal near end) same (trocar )	US-PGPUB; USPAT	OR	OFF	2011/03/02 14:46
S176	547	("606" "604").clas. and (plug) near (distal near end)	US-PGPUB; USPAT	OR	OFF	2011/03/02 14:46
S177	139	("606" "604").clas. and (plug seal\$4 valve\$1) near (distal near end) same (fluid near tight)	US-PGPUB; USPAT	OR	OFF	2011/03/02 14:47

S179	16	(plug seal\$4 valve\$1) near (distal near end) same (fluid near tight) same (trocar cannula)	US-PGPUB; USPAT	OR	OFF	2011/03/02 14:59
S180	471	(plug seal\$4 valve\$1) near (distal near end) same (trocar cannula)	US-PGPUB; USPAT	OR	OFF	2011/03/02 15:02
S182	639	("604").clas. and (aspirat \$3 irrigat\$3) same (trocar cannula obturator)	US-PGPUB	OR	OFF	2011/03/03 10:36
S183	1143	("604").clas. and (aspirat \$3 irrigat\$3) same (trocar cannula obturator)	USPAT	OR	OFF	2011/03/03 10:36
S184	742	("606").clas. and (aspirat \$3 irrigat\$3) same (trocar cannula obturator)	USPAT	OR	OFF	2011/03/03 10:36
S185	645	("606").clas. and (aspirat \$3 irrigat\$3) same (trocar cannula obturator)	US-PGPUB	OR	OFF	2011/03/03 10:37
S187	192	("604" "606").clas. and (vacuum suction\$3 aspirat \$3 irrigat\$3) near lumen\$1 same (trocar cannula obturator)	US-PGPUB; USPAT	OR	OFF	2011/03/03 11:09

3/9/2011 7:41:52 AM

C:\ Documents and Settings\jtanner\ My Documents\ EAST\ Workspaces\ 10580144-Trocar  
for use during endoscopy.wsp